

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A shelf stacking machine ~~(RFZ)~~ for storing and retrieving paper reels, which is movable in an aisle between storage positions on both sides that hold paper reels stored above one another and spaced apart in the longitudinal direction of the aisle, and has a ~~receptacle~~fork for ~~a paper reel~~carrying paper reels, characterized in that ~~the receptacle (1) is formed by a said~~ fork (1) ~~that~~ is vertically pivotable around a horizontal axis (6) and ~~incorporates~~comprises measuring devices (7) that detect the carrying load of a picked-up paper reel (P), said ~~receptacle~~fork further comprising an actuator (8) to which detected measuring data are transmitted via a control means, said actuator (8) being coupled to said fork (1) to vertically pivot said fork (1) into a horizontal position in accordance with the measuring data and to hold said fork in this horizontal position during transport of the paper reel.

2. (Currently amended)) A shelf stacking machine according to claim 1, characterized in that said fork is composed of two